RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 774 147

Source: IPWO

Date Processed by STIC: 2/18/04

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<u>http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm</u>

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 10/08/03

IFWO

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

     Input Set : **A:\10050-03USA.ST25.txt**
     Output Set: **N:\CRF4\02182004\J774147.raw**

```
 3 <110> APPLICANT: POSTECH Foundation
 4         POSCO
 5         RYU, Sung-Ho
 6         BAE, Yoe-Sik
 7         PARK, Eun-Young
 8         SUH, Pann-Ghill
10 <120> TITLE OF INVENTION: LEUKOCYTE STIMULATING PEPTIDES
12 <130> FILE REFERENCE: 10050-03USA
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C--> `14 <140> CURRENT APPLICATION NUMBER: US/10/774,147`
C--> `14 <141> CURRENT FILING DATE: 2004-02-06`
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14 <150> PRIOR APPLICATION NUMBER: US 60/445,621
15 <151> PRIOR FILING DATE: 2003-02-07
17 <160> NUMBER OF SEQ ID NOS: 36
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 6
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Hexapeptide
30 <220> FEATURE:
31 <221> NAME/KEY: MISC_FEATURE
32 <222> LOCATION: (1)..(1)
33 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg
35 <220> FEATURE:
36 <221> NAME/KEY: MISC_FEATURE
37 <222> LOCATION: (3)..(3)
38 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
40 <220> FEATURE:
41 <221> NAME/KEY: MISC_FEATURE
42 <222> LOCATION: (4)..(4)
43 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
45 <220> FEATURE:
46 <221> NAME/KEY: MISC_FEATURE
47 <222> LOCATION: (5)..(5)
48 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr
50 <400> SEQUENCE: 1
```
W--> `52 Xaa Lys Xaa Xaa Xaa Met`
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53 1               5
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial sequence
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Does Not Comply
Corrected Diskette Needed
(pg. 1-5)

Invalid Response

```
  61 <220> FEATURE:
  62 <223> OTHER INFORMATION: Hexapeptide       —Invalid Response
  65 <220> FEATURE:
  66 <221> NAME/KEY: misc_feature
  67 <222> LOCATION: (4)..(6)
  68 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
  70 <400> SEQUENCE: 2
W--> 72 Lys Lys His Xaa Xaa Xaa
  73 1                 5
  76 <210> SEQ ID NO: 3
  77 <211> LENGTH: 6
  78 <212> TYPE: PRT
  79 <213> ORGANISM: Artificial sequence
  81 <220> FEATURE:
  82 <223> OTHER INFORMATION: Hexapeptide     —Invalid Response
  85 <220> FEATURE:
  86 <221> NAME/KEY: misc_feature
  87 <222> LOCATION: (4)..(6)
  88 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
  90 <400> SEQUENCE: 3
W--> 92 Lys Lys Tyr Xaa Xaa Xaa
  93 1                 5
  96 <210> SEQ ID NO: 4
  97 <211> LENGTH: 6
  98 <212> TYPE: PRT
  99 <213> ORGANISM: Artificial sequence
 101 <220> FEATURE:
 102 <223> OTHER INFORMATION: Hexapeptide     —Invalid Response
 105 <220> FEATURE:
 106 <221> NAME/KEY: misc_feature
 107 <222> LOCATION: (4)..(6)
 108 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 110 <400> SEQUENCE: 4
W--> 112 Arg Lys Tyr Xaa Xaa Xaa
 113 1                 5
 116 <210> SEQ ID NO: 5
 117 <211> LENGTH: 6
 118 <212> TYPE: PRT
 119 <213> ORGANISM: Artificial sequence
 121 <220> FEATURE:
 122 <223> OTHER INFORMATION: Hexapeptide     —Invalid Response
 125 <220> FEATURE:
 126 <221> NAME/KEY: misc_feature
 127 <222> LOCATION: (4)..(6)
 128 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 130 <400> SEQUENCE: 5
W--> 132 Met Lys Tyr Xaa Xaa Xaa
 133 1                 5
 136 <210> SEQ ID NO: 6
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RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

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137 <211> LENGTH: 6
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Hexapeptide        — InvAlid Response
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (1)..(3)
148 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
150 <400> SEQUENCE: 6
W--> 152 Xaa Xaa Xaa His Lys Met
153 1               5
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 6
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Hexapeptide        — InvAlid Response
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (1)..(3)
168 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
170 <400> SEQUENCE: 7
W--> 172 Xaa Xaa Xaa His Val Met
173 1               5
176 <210> SEQ ID NO: 8
177 <211> LENGTH: 6
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Hexapeptide        — InvAlid Response
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <222> LOCATION: (1)..(3)
188 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
190 <400> SEQUENCE: 8
W--> 192 Xaa Xaa Xaa Tyr Lys Met
193 1               5
196 <210> SEQ ID NO: 9
197 <211> LENGTH: 6
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Hexapeptide        — InvAlid Response
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (1)..(3)
208 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
210 <400> SEQUENCE: 9
```

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RAW SEQUENCE LISTING                    DATE: 02/18/2004
PATENT APPLICATION:  US/10/774,147      TIME: 15:00:45

     Input Set : A:\10050-03USA.ST25.txt
     Output Set: N:\CRF4\02182004\J774147.raw
```

W--> 212 Xaa Xaa Xaa Tyr Pro Met
    213 1   5
    216 <210> SEQ ID NO: 10
    217 <211> LENGTH: 6
    218 <212> TYPE: PRT
    219 <213> ORGANISM: Artificial sequence
    221 <220> FEATURE:
    222 <223> OTHER INFORMATION: (Hexapeptide) —Invalid Response
    225 <220> FEATURE:
    226 <221> NAME/KEY: misc_feature
    227 <222> LOCATION: (1)..(3)
    228 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
    230 <400> SEQUENCE: 10
W--> 232 Xaa Xaa Xaa Tyr Val Met
    233 1   5
    236 <210> SEQ ID NO: 11
    237 <211> LENGTH: 6
    238 <212> TYPE: PRT
    239 <213> ORGANISM: Artificial sequence
    241 <220> FEATURE:
    242 <223> OTHER INFORMATION: Hexapeptide —Invalid Response
    245 <220> FEATURE:
    246 <221> NAME/KEY: misc_feature
    247 <222> LOCATION: (1)..(3)
    248 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
    250 <400> SEQUENCE: 11
W--> 252 Xaa Xaa Xaa Tyr Tyr Met
    253 1   5
    256 <210> SEQ ID NO: 12
    257 <211> LENGTH: 6
    258 <212> TYPE: PRT
    259 <213> ORGANISM: Artificial sequence
    261 <220> FEATURE:
    262 <223> OTHER INFORMATION: Hexapeptide —Invalid Response
    265 <220> FEATURE:
    266 <221> NAME/KEY: Peptide
    267 <222> LOCATION: (1)..(6)
    268 <223> OTHER INFORMATION: P1
    270 <400> SEQUENCE: 12
    272 Lys Lys His His Lys Met
    273 1   5
    276 <210> SEQ ID NO: 13
    277 <211> LENGTH: 6
    278 <212> TYPE: PRT
    279 <213> ORGANISM: Artificial sequence
    281 <220> FEATURE:
    282 <223> OTHER INFORMATION: (Hexapeptide) —Invalid Response
    285 <220> FEATURE:
    286 <221> NAME/KEY: Peptide

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

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287 <222> LOCATION: (1)..(6)
288 <223> OTHER INFORMATION: P2
290 <400> SEQUENCE: 13
292 Lys Lys His His Val Met
293 1               5
296 <210> SEQ ID NO: 14
297 <211> LENGTH: 6
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Hexapeptide
305 <220> FEATURE:
306 <221> NAME/KEY: Peptide
307 <222> LOCATION: (1)..(6)
308 <223> OTHER INFORMATION: Hexapeptide
310 <220> FEATURE:
311 <221> NAME/KEY: Peptide
312 <222> LOCATION: (1)..(6)
313 <223> OTHER INFORMATION: P3
315 <400> SEQUENCE: 14
317 Lys Lys His Tyr Lys Met
318 1               5
321 <210> SEQ ID NO: 15
322 <211> LENGTH: 6
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Hexapeptide
330 <220> FEATURE:
331 <221> NAME/KEY: Peptide
332 <222> LOCATION: (1)..(6)
333 <223> OTHER INFORMATION: P4
335 <400> SEQUENCE: 15
337 Lys Lys His Tyr Pro Met
338 1               5
341 <210> SEQ ID NO: 16
342 <211> LENGTH: 6
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Hexapeptide
350 <220> FEATURE:
351 <221> NAME/KEY: Peptide
352 <222> LOCATION: (1)..(6)
353 <223> OTHER INFORMATION: P5
355 <400> SEQUENCE: 16
357 Lys Lys His Tyr Val Met
358 1               5
361 <210> SEQ ID NO: 17
```

[handwritten annotations:] Invalid Response (×3, pointing to "Hexapeptide" entries)

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:46

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5
Seq#:2; Xaa Pos. 4,5,6
Seq#:3; Xaa Pos. 4,5,6
Seq#:4; Xaa Pos. 4,5,6
Seq#:5; Xaa Pos. 4,5,6
Seq#:6; Xaa Pos. 1,2,3
Seq#:7; Xaa Pos. 1,2,3
Seq#:8; Xaa Pos. 1,2,3
Seq#:9; Xaa Pos. 1,2,3
Seq#:10; Xaa Pos. 1,2,3
Seq#:11; Xaa Pos. 1,2,3

VERIFICATION SUMMARY   DATE: 02/18/2004
PATENT APPLICATION: **US/10/774,147**   TIME: 15:00:46

Input Set : **A:\10050-03USA.ST25.txt**
Output Set: **N:\CRF4\02182004\J774147.raw**

```
L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
```